

PROCEEDINGS

OF THE

AMERICAN PHILOSOPHICAL SOCIETY.

VOL. VII.

MAY—DECEMBER, 1860.

No. 64.

Stated Meeting, May 4, 1860.

Present, fifteen members.

Judge SHARSWOOD, Vice-President, in the Chair.

A letter was read from the Scientific Association at Riga, dated October 26, 1857, transmitting a copy of its proceedings.

The following donations for the Library were announced:—

Monthly Notices of the Royal Astronomical Soc., Vol. XX, March 9.
Quarterly Journal Chemical Soc., No. XLVIII. London.
Journal Geol. Soc. Dublin, Vol. I—VIII. Vol. II wanting.
Proceedings Acad. Nat. Sciences. Philadelphia. [lishers.
Medical News and Library, No. 209, May, 1860.—*From the pub-*
Proc. Am. Ass. Adv. of Sci., 13th meeting at Springfield, Aug., 1859.
Proceedings Mass. Hist. Soc., 1859, '60. Boston, 8vo., 460 pages.
Cat. of Lib. Mass. H. S., Vol. II, M—Z. Boston, 1860, 650 pages.
Astronomical Journal, No. 113 (VI, No. 13). Cambridge, Mass.
Evangelical Repository, May, 1860, XVIII, No. 12.—*From Mr.*
Young.

Mr. Lesley invited the attention of the members to the occurrence on both sides of the Atlantic, in Ireland and in Pennsylvania, and at the same geological horizon, of certain

beds of copper slates. In volume VIII of the Journal of the Dublin Geological Society, page 86, the gray copper ores, which characterize the red slates at the base of the so-called Carboniferous formation in the North and South of Ireland, are said to lie two thousand six hundred and forty feet below the base of the carboniferous limestone. Whether these rocks be Devonian or Carboniferous has been discussed by Mr. Jukes and Dr. Griffith, and decided by the latter, with the concurrence of Prof. Haughton and other British geologists, in favor of their classification as Carboniferous, on the ground of their containing fossils of that type.

It is remarkable that, along the base of the Alleghany Mountains, where our Pennsylvanian sub-carboniferous formations X and XI, so immensely thick at Pottsville, have thinned away to a few hundred feet,—and also in northeastern Pennsylvania, where the three formations IX, X, XI, are all together reduced to a thickness of not much more than two thousand feet, bringing the undeniably Devonian formation VIII, up to within that distance of the coal, there occurs a copper-ore slate horizon a few feet thick, which will exactly correspond in position to the copper-slates of Ireland.

The Society was then adjourned.

Stated Meeting, May 18, 1860.

Present, fifteen members.

Dr. Wood, President, in the Chair.

The following donations for the Library were announced:—

Annales des Mines, Vol. XV, 3d part, and Vol. XVI, 4th pt. of 1859.

Intorno alla influenza dell' Eletttrico nelle formazione della Granuola,

&c. An 8vo. pamphlet memoir of Prof. Zantedeschi.

American Journal of Science for May, 1860.

Journal of the Franklin Institute for May, 1860.

Centennial Anniversary of the Foundation of the Germantown Academy, 1860. 8vo. pamphlet, 58 pages. Philadelphia.